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DEPARTMENT OF THE NAVY  
JUSTIFICATION OF ESTIMATES  
FY 1991 BUDGET ESTIMATES



AD-A219 527

SUBMITTED TO CONGRESS JANUARY 1990

PROCUREMENT

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SUBJ: JUSTIFICATION OF ESTIMATES  
FOR FISCAL YEAR 1990  
REF ID: A6219527

PROCUREMENT, MARINE CORPS

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DEPARTMENT OF THE NAVY  
PROCUREMENT, MARINE CORPS

Justification of Estimates for FY 1991

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Acceptance For

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PROCUREMENT, MARINE CORPS

For expenses necessary for the procurement, manufacture, and modification of missiles, armament, ammunition, military equipment, spare parts, and accessories therefor; plant equipment, appliances, and machine tools, and installation thereof in public and private plants; reserve plant and Government and contractor-owned equipment layaway; vehicles for the Marine Corps, including purchase of not to exceed (172) 194 passenger motor vehicles for replacement only; and expansion of public and private plants; including land necessary therefor, and such lands and interests therein, may be acquired and construction prosecuted thereon prior to approval of title; (\$1,213,334,000) \$782,100,000, to remain available for obligation until September 30, (1992) 1993 of which \$35,000,000 shall be available only for the Marine Corps Reserve.

**Procurement, Marine Corps  
Program and Financing (in Thousands of dollars) SUMMARY**

| Identification code                 | 17-1109-0-1-051                                   | Budget Plan (amounts for PROCUREMENT actions programmed) |           |           | Obligations |           |           |  |
|-------------------------------------|---|--|-----------|-----------|-------------|-----------|-----------|--|
|                                     |   | 1989 actual  | 1990 est. | 1991 est. | 1989 actual | 1990 est. | 1991 est. |  |
| <b>Program by activities:</b>       |   |  |           |           |             |           |           |  |
| <b>Direct program:</b>              |   |  |           |           |             |           |           |  |
| 00.0101                             | Ammunition  | 259,737  | 249,201   | 284,681   | 279,597     | 225,538   | 289,566   |  |
| 00.0201                             | Weapons and combat vehicles                       | 220,283  | 398,995   | 45,454    | 176,690     | 366,997   | 90,763    |  |
| 00.0301                             | Guided missiles and equipment                     | 338,133  | 11,055    | 16,255    | 324,714     | 19,453    | 18,341    |  |
| 00.0401                             | Communications and electronics equipment          | 268,539  | 249,564   | 218,667   | 278,274     | 285,334   | 228,109   |  |
| 00.0501                             | Support vehicles                                  | 27,763   | 22,551    | 34,127    | 21,264      | 43,623    | 32,464    |  |
| 00.0601                             | Engineer and other equipment                      | 120,839  | 81,929    | 112,514   | 128,663     | 103,236   | 110,439   |  |
| 00.0701                             | Spares and repair parts                           | 56,546   | 61,889    | 70,402    | 61,908      | 54,005    | 65,195    |  |
| 00.9101                             | Total direct program                              | 1,291,840  | 1,075,184 | 782,100   | 1,274,110   | 1,098,186 | 834,877   |  |
| 01.0101                             | Reimbursable program                              | 10,925   | 5,000     | 5,000     | 10,201      | 13,038    | 5,000     |  |
| 10.0001                             | Total   | 1,302,765  | 1,080,184 | 787,100   | 1,284,311   | 1,111,224 | 839,877   |  |
| <b>Financing:</b>                   |   |  |           |           |             |           |           |  |
| <b>Offsetting collections from:</b> |   |  |           |           |             |           |           |  |
| 11.0001                             | Federal funds (-)                                 | -10,925  | -5,000    | -5,000    | -10,482     | -5,000    | -5,000    |  |
| 13.0001                             | Trust funds (-)                                   |  |           |           | -23         |           |           |  |
| 14.0001                             | Non-Federal sources (-)                           |  |           |           | -280        |           |           |  |
| 17.0001                             | Recovery of prior year obligations                |  |           |           | -18,300     |           |           |  |
|                                     | Unobligated balance available, start of year:     |  |           |           |             |           |           |  |
| 21.4002                             | For completion of prior year budget plans         |  |           |           | -219,083    |           |           |  |
| 21.4003                             | Available to finance new budget plans             | -1,500   |           |           | -1,500      |           |           |  |
| 21.4009                             | Reprogramming from to prior year budget plan      | -2,277   |           |           |             |           |           |  |
| 22.4001                             | Unobligated balance transferred to other accounts | 3,700  |           |           | 3,700       |           |           |  |
| 24.4002                             | For completion of prior year budget plans         |  |           |           | 253,421     |           |           |  |
| 25.0001                             | Unobligated balance lapsing                       | 77   |           |           | 77          |           |           |  |
| 39.0001                             | Budget authority:                                 | 1,291,840  | 1,075,184 | 782,100   |             |           |           |  |
| 40.0001                             | Budget authority:                                 | 1,297,265  | 1,213,792 | 782,100   | 1,297,265   | 1,213,792 | 782,100   |  |
| 40.0004                             | Appropriation                                     | -425   |           |           | -425        |           |           |  |
| 40.0005                             | Reduction pursuant to P.L. 100-463                |  |           |           | -458        |           |           |  |
| 40.0005                             | Reduction pursuant to P.L. 101-165                |  |           |           |             | -458      |           |  |
| 41.0001                             | Transferred to other accounts (-)                 | -5,000   | -138,150  |           | -5,000      | -138,150  |           |  |
| 43.0001                             | Appropriation (adjusted)                          | 1,291,840  | 1,075,184 | 782,100   | 1,291,840   | 1,075,184 | 782,100   |  |

**Procurement, Marine Corps  
Program and Financing (in Thousands of dollars) SUMMARY**

|  |                                       | 1989 actual      | 1990 est.        | 1991 est.        |
|--|---------------------------------------|------------------|------------------|------------------|
| <b>Identification code</b>                 | 17-1109-0-1-051                       |                  |                  |                  |
| <b>Relation of obligations to outlays:</b> |                                       |                  |                  |                  |
| 71.0001                                    | Obligations incurred, net             | 1,273,526        | 1,106,224        | 834,877          |
| 72.4001                                    | Obligated balance, start of year      | 2,723,975        | 2,633,072        | 2,440,596        |
| 74.4001                                    | Obligated balance, end of year        | -2,633,072       | -2,440,596       | -2,121,173       |
| 77.0001                                    | Adjustments in expired accounts (net) | -5,190           |                  |                  |
| 78.0001                                    | Adjustments in unexpired accounts     | -18,300          |                  |                  |
| <b>90.0001</b>                             | <b>Outlays</b>                        | <b>1,340,939</b> | <b>1,298,700</b> | <b>1,154,300</b> |

Procurement, Marine Corps  
Object Classification (in Thousands of dollars) SUMMARY

|  |                 | 1989 actual | 1990 est.           | 1991 est. |
|--|-----------------|-------------|---------------------|-----------|
| Identification code                    | 17-1109-0-1-051 |             |                     |           |
| Direct obligations:                    |                 |             |                     | ▲         |
| 126.001 Supplies and materials         | 405,162         | 368,919     | 394, <del>389</del> |           |
| 131.001 Equipment                      | 868,948         | 729,267     | 439,888             |           |
| 199.001 Total Direct obligations       | 1,274,110       | 1,098,186   | 834,877             |           |
| Reimbursable obligations:              |                 |             |                     |           |
| 231.001 Equipment                      | 10,201          | 13,038      | 5,000               |           |
| 299.001 Total Reimbursable obligations | 10,201          | 13,038      | 5,000               |           |
| 999.901 Total obligations              | 1,284,311       | 1,111,224   | 839,877             |           |

Procurement, Marine Corps  
Program and Financing (in Thousands of dollars) FISCAL YEAR 1987

|  |                 | Budget Plan (amounts for PROCUREMENT actions programmed) |           |           | Obligations |           |
|--|-----------------|--|-----------|-----------|-------------|-----------|
|  |                 | 1989 actual  | 1990 est. | 1991 est. | 1989 actual | 1990 est. |
| Identification code                                      | 17-1109-0-1-051 |  |           |           |             |           |
| Program by activities:                                   |                 |  |           |           |             |           |
| Direct program:  |                 |  |           |           |             |           |
| 00.0101 Ammunition                                       |                 |  |           |           | 8,763       |           |
| 00.0201 Weapons and combat vehicles                      |                 |  |           |           | 1,525       |           |
| 00.0301 Guided missiles and equipment                    |                 |  |           |           | 59          |           |
| 00.0401 Communications and electronics equipment         |                 |  |           |           | 22,111      |           |
| 00.0501 Support vehicles                                 |                 |  |           |           | 3,591       |           |
| 00.0601 Engineer and other equipment                     |                 |  |           |           | 10,620      |           |
| 00.0701 Spares and repair parts                          |                 |  |           |           | 3,264       |           |
| 00.9101 Total direct program                             |                 |  |           |           | 49,933      |           |
| 01.0101 Reimbursable program                             |                 |  |           |           | 3,384       |           |
| 10.0001 Total  |                 |  |           |           | 53,317      |           |
| Financing:   |                 |  |           |           |             |           |
| Offsetting collections from:                             |                 |  |           |           |             |           |
| 11.0001 Federal funds (-)                                |                 |  |           |           | 523         |           |
| 17.0001 Recovery of prior year obligations               |                 |  |           |           | -9,637      |           |
| Unobligated balance available, start of year:            |                 |  |           |           |             |           |
| 21.4002 For completion of prior year budget plans        |                 |  |           |           | -46,479     |           |
| 21.4003 Available to finance new budget plans            |                 |  |           |           | -1,500      |           |
| 21.4009 Reprogramming from/to prior year budget plan     |                 |  |           |           | 3,700       |           |
| 22.4001 Unobligated balance transferred to other account |                 |  |           |           | 77          |           |
| 25.0001 Unobligated balance lapsing                      |                 |  |           |           |             |           |
| 39.0001 Budget authority                                 |                 |  |           |           |             |           |

Procurement, Marine Corps  
Program and Financing (in Thousands of dollars) FISCAL YEAR 1988

| Identification code                           | Budget Plan (amounts for PROCUREMENT actions programmed) |               |           | Obligations |           |           |
|---|--|---------------|-----------|-------------|-----------|-----------|
|   | 1989 actual  | 1990 est.     | 1991 est. | 1989 actual | 1990 est. | 1991 est. |
|   |  |               |           |             |           |           |
| <b>Program by activities:</b>                 |  |               |           |             |           |           |
| Direct program:                               |  |               |           |             |           |           |
| Ammunition                                    | 17,161   | 845           |           |             |           |           |
| Weapons and combat vehicles                   | 1,279  | 2,178         |           |             |           |           |
| Guided missiles and equipment                 | 18   | 1             |           |             |           |           |
| Communications and electronics equipment      | 63,048   | 36,218        |           |             |           |           |
| Support vehicles                              | 2,478  | 13,135        |           |             |           |           |
| Engineer and other equipment                  | 22,911   | 14,535        |           |             |           |           |
| Spares and repair parts                       | 3,222  | 691           |           |             |           |           |
| Total direct program                          | 110,117  | 67,603        |           |             |           |           |
| Reimbursable program                          |  |               | 2         | 3,928       |           |           |
| <b>Total</b>                                  | <b>110,119</b>   | <b>71,531</b> |           |             |           |           |
| <b>Financing:</b>                             |  |               |           |             |           |           |
| Offsetting collections from:                  |  |               |           |             |           |           |
| Federal funds(-)                              | -80  |               |           |             |           |           |
| Trust funds(-)                                | -23  |               |           |             |           |           |
| Non-Federal sources(-)                        | -280   |               |           |             |           |           |
| Recovery of prior year obligations            | -8,663   |               |           |             |           |           |
| Unobligated balance available, start of year: |  |               |           |             |           |           |
| For completion of prior year budget plans     | -172,604   |               |           |             |           |           |
| For completion of prior year budget plans     | -71,531  |               |           |             |           |           |
| For completion of prior year budget plans     | 71,531   |               |           |             |           |           |
| Budget authority                              |  |               |           |             |           |           |

**Procurement, Marine Corps  
Program and Financing (in Thousands of dollars) FISCAL YEAR 1989**

| Identification code                 | 17-1109-0-1-051                               | Budget Plan (amounts for PROCUREMENT actions programmed) |           |           | Obligations |           |           |  |
|-------------------------------------|---|--|-----------|-----------|-------------|-----------|-----------|--|
|                                     |   | 1989 actual  | 1990 est. | 1991 est. | 1989 actual | 1990 est. | 1991 est. |  |
| <b>Program by activities:</b>       |   |  |           |           |             |           |           |  |
| <b>Direct program:</b>              |   |  |           |           |             |           |           |  |
| 00.0101                             | Ammunition                                    | 259,137  |           |           | 253,673     | 5,000     | 1,064     |  |
| 00.0201                             | Weapons and combat vehicles                   | 220,183  |           |           | 176,886     | 6,245     | 37,152    |  |
| 00.0301                             | Guided missiles and equipment                 | 338,133  |           |           | 324,637     | 10,000    | 3,496     |  |
| 00.0401                             | Communications and electronics equipment      | 268,539  |           |           | 193,115     | 54,487    | 20,937    |  |
| 00.0501                             | Support vehicles                              | 27,763   |           |           | 15,195      | 11,207    | 1,361     |  |
| 00.0601                             | Engineer and other equipment                  | 120,839  |           |           | 95,132      | 18,562    | 7,145     |  |
| 00.0701                             | Spares and repair parts                       | 56,546   |           |           | 55,422      | 1,124     |           |  |
| 00.9101                             | Total direct program                          | 1,291,840  |           |           | 1,114,060   | 106,625   | 71,155    |  |
| 01.0101                             | Reimbursable program                          | 10,925   |           |           | 6,815       | 4,110     |           |  |
| 10.0001                             | <b>Total</b>                                  | 1,302,765  |           |           | 1,120,875   | 110,735   | 71,155    |  |
| <b>Financing:</b>                   |   |  |           |           |             |           |           |  |
| <b>Offsetting collections from:</b> |   |  |           |           |             |           |           |  |
| 11.0001                             | Federal funds (-)                             | -10,925  |           |           | -10,925     |           |           |  |
| 12.4002                             | Unobligated balance available, start of year: |  |           |           |             |           |           |  |
| 21.4002                             | For completion of prior year budget plans     |  |           |           |             | -181,890  | -71,155   |  |
| 24.4002                             | Unobligated balance available, end of year:   |  |           |           |             |           |           |  |
|                                     | For completion of prior year budget plans     |  |           |           |             | 181,890   | 71,155    |  |
| 39.0001                             | Budget authority                              | 1,291,840  |           |           |             | 1,291,840 |           |  |
| <b>Budget authority:</b>            |   |  |           |           |             |           |           |  |
| 40.0001                             | Appropriation                                 | 1,297,265  |           |           | 1,297,265   |           |           |  |
| 40.0004                             | Reduction pursuant to P.L. 100-463            | -425   |           |           | -425        |           |           |  |
| 41.0001                             | Transferred to other accounts (-)             | -5,100   |           |           | -5,000      |           |           |  |
| 43.0001                             | Appropriation (adjusted)                      | 1,291,840  |           |           | 1,291,840   |           |           |  |

Procurement, Marine Corps  
Program and Financing (in thousands of dollars) FISCAL YEAR 1990

| Identification code                 | 17-1109-0-1-051                               | Budget Plan (amounts for procurement actions programmed) |           | Obligations |             |  |
|-------------------------------------|---|--|-----------|-------------|-------------|--|
|                                     |   | 1989 actual  | 1990 est. | 1991 est.   | 1990 actual |  |
|                                     |   |  |           |             |             |  |
| <b>Program by activities:</b>       |   |  |           |             |             |  |
| <b>Direct program:</b>              |   |  |           |             |             |  |
| 00.0101                             | Ammunition                                    | 249,201  | 219,693   | 19,510      |             |  |
| 00.0201                             | Weapons and combat vehicles                   | 398,995  | 358,574   | 20,450      |             |  |
| 00.0301                             | Guided missiles and equipment                 | 11,055   | 9,452     | 9,940       |             |  |
| 00.0401                             | Communications and electronics equipment      | 249,564  | 194,629   | 36,349      |             |  |
| 00.0501                             | Support vehicles                              | 22,551   | 19,281    | 1,917       |             |  |
| 00.0601                             | Engineer and other equipment                  | 81,929   | 70,139    | 6,964       |             |  |
| 00.0701                             | Spares and repair parts                       | 61,889   | 52,190    | 5,686       |             |  |
| 00.9101                             | Total direct program                          | 1,075,184  | 923,958   | 91,816      |             |  |
| 01.0101                             | Reimbursable program                          | 5,000  | 5,000     | 5,000       |             |  |
| 10.0001                             | Total   | 1,080,184  | 928,958   | 91,816      |             |  |
| <b>Financing:</b>                   |   |  |           |             |             |  |
| <b>Offsetting collections from:</b> |   |  |           |             |             |  |
| 11.0001                             | Federal funds (-)                             | -5,000   | -5,000    |             |             |  |
| 21.4002                             | Unobligated balance available, start of year: |  |           | -151,226    |             |  |
| 24.4002                             | For completion of prior year budget plans     |  |           |             |             |  |
| 39.0001                             | Unobligated balance available, end of year:   |  |           | 151,226     |             |  |
| 40.0001                             | For completion of prior year budget plans     |  |           |             |             |  |
| 40.0005                             | Budget authority:                             |  |           |             |             |  |
| 40.0005                             | Appropriation                                 | 1,213,792  | 1,213,792 |             |             |  |
| 41.0001                             | Reduction pursuant to P.L. 101-165            | -458   | -458      |             |             |  |
| 43.0001                             | Transferred to other accounts (-)             | -138,150   | -138,150  |             |             |  |
| 43.0001                             | Appropriation (adjusted)                      | 1,075,184  | 1,075,184 |             |             |  |

**Procurement, Marine Corps  
Program and Financing (in Thousands of dollars) FISCAL YEAR 1991**

|   |                 | Budget Plan (amounts for PROCUREMENT actions programmed) |           | Obligations |           |
|---|-----------------|--|-----------|-------------|-----------|
|   |                 | 1989 actual  | 1990 est. | 1989 actual | 1990 est. |
| Identification code                         | 17-1109-0-1-051 |  |           |             |           |
| Program by activities:                      |                 |  |           |             |           |
| Direct program:                             |                 |  |           |             |           |
| Ammunition                                  | 284,681         |  |           | 268,992     |           |
| Weapons and combat vehicles                 | 45,454          |  |           | 33,161      |           |
| Guided missiles and equipment               | 16,255          |  |           | 13,905      |           |
| Communications and electronics equipment    | 218,667         |  |           | 170,823     |           |
| Support vehicles                            | 34,127          |  |           | 29,186      |           |
| Engineer and other equipment                | 112,514         |  |           | 96,330      |           |
| Spares and repair parts                     | 70,402          |  |           | 59,509      |           |
| Total direct program                        |                 | 782,100  |           |             | 671,906   |
| Reimbursable program                        |                 |  | 5,000     |             | 5,000     |
| Total                                       |                 |  | 787,100   |             | 676,906   |
| Financing:                                  |                 |  |           |             |           |
| Offsetting collections from:                |                 |  |           |             |           |
| Federal funds (-)                           |                 | -5,000   |           | -5,000      |           |
| Unobligated balance available, end of year: |                 |  |           |             |           |
| For completion of prior year budget plans   |                 |  |           | 110,194     |           |
| Budget authority (Appropriation)            |                 | 782,100  |           | 782,100     |           |

**SUMMARY OF REQUIREMENTS**  
 (In Thousands of Dollars)

|   | <u>FY1989<br/>Actual</u> | <u>FY1990<br/>Estimate</u> | <u>FY1991<br/>Estimate</u> |
|---|--------------------------|----------------------------|----------------------------|
| <b>Ammunition</b>                       | <u>259,737</u>           | <u>249,201</u>             | <u>284,681</u>             |
| <b>Weapons and Combat Vehicles</b>      | 220,283                  | 398,995                    | 45,454                     |
| <b>Guided Missiles and Equipment</b>    | 338,133                  | 11,055                     | 16,255                     |
| <b>Communications/Electronics Equip</b> | 268,539                  | 249,564                    | 218,667                    |
| <b>Support Vehicles</b>                 | 27,763                   | 22,551                     | 34,127                     |
| <b>Engineer and other Equip</b>         | 120,839                  | 81,929                     | 112,514                    |
| <b>Spares and Repair Parts</b>          | <u>56,546</u>            | <u>61,882</u>              | <u>70,402</u>              |
| <b>Total Direct Program</b>             | 1,291,840                | 1,075,184                  | 782,100                    |
| <b>Reimbursable Program</b>             | <u>10,925</u>            | <u>5,000</u>               | <u>5,000</u>               |
| <b>Total Program Requirements</b>       | 1,302,765                | 1,080,184                  | 787,100                    |

Budget Activity 1: Ammunition

(In Thousands of Dollars)

|                  |           |
|------------------|-----------|
| FY 1991 Estimate | \$284,681 |
| FY 1990 Estimate | \$249,201 |
| FY 1989 Actual   | \$259,737 |

Purpose and Scope of Work

This activity provides for the Marine Corps' annual training needs and the acquisition of war reserve stocks for use in the event of mobilization. Munitions included in the request include tank, artillery, and mortar. Also included are requirements for small arms ammunition, pyrotechnic devices, and other ammunition items.

Justification of Funds

Congressional action on the FY 1990 budget request provided for an ammunition program of \$249.2 million, which will continue to buy towards requirements established in the Defense Guidance. The FY 1990 program funds the following: 5.56mm Ammo, \$14.2 million; 7.62mm Ammo, \$4.1 million; Linear Charges, \$2.6 million; .50 Cal Ammo, \$15.0 million; 40mm Ammo, \$22.5 million; 60mm Ammo, \$12.9 million; 81mm Ammo, \$16.3 million; 120mm Ammo, \$44.0 million; 155mm Ammo, \$48.6 million; Fuzees, \$5.3 million; 83mm Rocket (SMAW), \$28.4 million; Light Anti-Armor Weapon, \$10.6 million; Grenades, \$8.7 million; Ammo Modernization, \$11.1 million; and Items Less Than \$2.0 million, \$4.9 million.

The FY 1991 budget requests \$284.7 million to fund the following: 5.56mm Ammo, \$30.9 million; 7.62mm Ammo, \$8.3 million; Linear Charges, \$1.0 million; .50 Cal Ammo, \$19.5 million; 40mm Ammo, \$25.6 million; 60mm Ammo, \$19.4 million; 81mm Ammo, \$12.8 million; 120mm Ammo, \$60.6 million; 155mm Ammo, \$18.2 million; Fuzees, \$32.4 million; 83mm Rocket (SMAW), \$29.3 million; 9mm Ammo, \$3.8 million; Grenades, \$7.9 million; Ammo Modernization, \$11.7 million; and Items Less Than \$2 million, \$3.2 million.

Budget Activity 2: Weapons and Tracked Combat Vehicles

(In Thousands of Dollars)

|                  |           |
|------------------|-----------|
| FY 1991 Estimate | \$ 45,454 |
| FY 1990 Estimate | \$398,995 |
| FY 1989 Actual   | \$220,283 |

Purpose and Scope of Work

This activity supports procurement of armored and amphibious vehicles, artillery pieces, and small arms weapons. It also supports acquisition of weapons and tracked combat vehicle associated equipment and modification kits.

Justification of Funds

Congressional action on the FY 1990 budget request provided \$399.0 million for Weapons and Tracked Combat Vehicles. The FY 1991 budget requests \$45.5 million. Each of the items contained in the FY 1990 program and FY 1991 request is summarized below:

AAV7A1 PIP - \$12.9 million was appropriated in FY 1990 and \$19.0 million is requested in FY 1991 to provide the AAV7A1 family of vehicles more reliable and serviceable components and to enhance the vehicles' operational combat survivability.

Mod Kits (Tracked Vehicles) - \$3.0 million was appropriated in FY 1990 and \$3.1 million is requested in FY 1991 for the procurement of modification kits for the product improvement of the Light Armored Vehicles.

M1A1 Tank - \$374.3 million was appropriated in FY 1990 for the procurement of 155 tanks. The purpose of this program is to replace the M60A1 tank with a more capable tank.

Items Less Than \$2 Million (Tracked Vehicles) - \$.8 million was appropriated in FY 1990 to fund the procurement of Light Armored Vehicle (LAV) M242's Engineering Change Proposals (ECPS) and M88A1 Organizational Tool Set. The FY 1991 budget request of \$.3 million funds the procurement of LAV M242's ECPS and laser filters.

Items Less Than \$2 Million (All Others) - \$2.6 million was appropriated in FY 1990 to fund the procurement of Rifle Team Equipment (\$ .3), M203 40mm Grenade Launcher (\$1.2) and Explosive Ordnance Disposal Equipment (\$1.1). \$1.7 million in the FY 1991 budget will fund the procurement of Rifle Team Equipment (\$ .2) and Explosive Ordnance Disposal Equipment (\$1.5).

M2 Machine Gun, .50 Cal., HB - The FY 1991 budget requests \$4.2 million to fund the procurement of 162 machine guns. These machine guns will replace maintenance losses and bring the M2 inventory back to 100%.

5.56mm Squad Automatic Weapon (SAW) - \$5.4 million in FY 1990 was appropriated for procurement of 1297 light machine guns.

MK 19 40mm Machine Gun - The FY 1991 budget requests \$17.2 million to procure 1181 machine guns. This system will substantially increase the organic fire capability of all Marine combat and combat support units.

Budget Activity 3: Guided Missiles and Equipment

(In Thousands of Dollars)

|                  |           |
|------------------|-----------|
| FY 1991 Estimate | \$ 16,255 |
| FY 1990 Estimate | \$ 11,055 |
| FY 1989 Actual   | \$338,133 |

Purpose and Scope of Work

This activity supports procurement of surface-to-air guided missiles, surface-to-surface anti-tank guided missiles, and related ground support equipment. Funds requested are required to support continuing efforts to enhance the air defense and anti-tank/assault capabilities of Marine Corps ground forces. The Department of the Army is the contracting agency for the HAWK Modification Kits and TOW missiles.

Justification of Funds

Congressional action on the FY 1990 budget request provided \$11.1 million for Guided Missiles and Equipment. The FY 1991 budget requests \$16.3 million. The items contained in the FY 1990 program and FY 1991 request are summarized below:

HAWK Modifications - Congressional action on the FY 1990 budget request provided \$1.1 million to support product improvements which significantly enhance reliability, maintainability, improve countermeasure capability, and modify automatic test equipment and test program sets for the HAWK anti-aircraft missile. The FY 1991 budget requests \$5.9 million.

TOW-2 Missile System - Congressional action on the FY 1990 budget request provided \$10.0 million for 577 TOW-2B heavy assault anti-tank missiles. The FY 1991 budget request of \$10.1 million will procure 662 TOW-2B missiles.

Modification Kits - The FY 1991 budget requests \$.3 to fund installation costs for modification kits.

Budget Activity 4: Communication and Electronics Equipment

(In Thousands of Dollars)

|                  |           |
|------------------|-----------|
| FY 1991 Estimate | \$218,667 |
| FY 1990 Estimate | \$249,564 |
| FY 1989 Actual   | \$268,539 |

Purpose and Scope of Work

This activity supports acquisition of communications and electronic systems essential to the conduct of modern amphibious warfare and other low to mid intensity combat operations. Programs involved include tactical radios and equipment, telephone and teletype equipment, command and control systems, radars and radar equipment, intelligence/communications equipment, repair and test equipment, and modification kits.

Justification of Funds

Congressional action on the FY 1990 budget request provided \$249.6 million for the following telecommunications equipment: \$4.3 million for manpack radios and equipment; \$42.5 million for vehicle mounted radios and equipment; \$48.0 million for the Unit Level Circuit Switch; \$7.7 million for Tactical Communications Center equipment; \$3.6 million for Digital Communications Terminals; \$3.3 million for sweep generators; and \$12.4 million for test equipment, modification kits and items costing less than \$2 million.

The Fiscal Year 1990 program for non-telecommunications equipment includes the following: \$23.6 million for the Position Location Reporting System; \$54.1 million for Tactical Air Operations Modules; \$2.4 million for the Lightweight Early Warning Detection Device (LEWDD); \$9.2 million for intelligence related support equipment, modification kits and other intelligence items costing less than \$2 million; \$20.0 million for automatic data processing equipment; and \$18.6 million for test, analysis, maintenance and calibration equipment, modification kits and items costing less than \$2 million.

The Fiscal Year 1991 budget request totals \$218.7 million and includes the following telecommunications equipment: \$2.3 million for manpack radios and equipment; \$56.0 million for vehicle mounted radios and equipment; \$32.9 million for the Unit Level Circuit Switch; \$7.4 million for Tactical Communication Center (TCC) equipment; \$9.6 million for Digital Communications Terminals; \$3.3 million for sweep generators; and \$17.4 million for test equipment, modification kits and items costing less than \$2 million.

The Fiscal Year 1991 budget request for non-telecommunications equipment includes the following: \$47.4 million for Tactical Air Operations Modules; \$6.6 million for the Lightweight Early Warning Detection Device (LEWDD); \$9.3 million for intelligence related support equipment and modification kits; \$11.5 million for automatic data processing equipment; and \$14.7 million for test, analysis, maintenance and calibration equipment, modification kits and items costing less than \$2 million.

Budget Activity 5: Support Vehicles

(In Thousands of Dollars)

|                  |           |
|------------------|-----------|
| FY 1991 Estimate | \$ 34,127 |
| FY 1990 Estimate | \$ 22,551 |
| FY 1989 Actual   | \$ 27,763 |

Purpose and Scope of Work

This activity supports procurement of commercial passenger and cargo vehicles required to support Marine Corps facilities' operations and tactical vehicles required by deployable operational and support forces. Included in the category of commercial passenger and cargo vehicles are: sedans, station wagons, and buses; general and special purpose heavy and light trucks; fire-fighting, refuse collection, and tanker trucks; and various types of trailers. Tactical vehicles procured under this activity consist of military designed prime movers and general purpose vehicles equipped for support of combat operations.

Justification of Funds

Congressional action on the FY 1990 request provided \$22.6 million for the following: \$3.4 million for 172 commercial passenger carrying vehicles; \$13.0 million for commercial cargo vehicles; \$2.6 million for 5-ton trucks; \$2.9 million for modification kits; and \$.7 million for items costing less than \$2 million.

The Fiscal Year 1991 budget request totals \$34.1 million and consists of the following: \$3.8 million for 194 commercial passenger carrying vehicles; \$13.1 million for commercial cargo vehicles; \$4.9 million for maintenance trucks; \$2.1 million for all types of trailers; \$9.0 million for modification kits; and \$1.2 million for items costing less than \$2 million.

Budget Activity 6: Engineering and Other Equipment

(In Thousands of Dollars)

|                  |           |
|------------------|-----------|
| FY 1991 Estimate | \$112,514 |
| FY 1990 Estimate | \$ 81,929 |
| FY 1989 Actual   | \$120,839 |

Purpose and Scope of Work

This activity provides for acquisition of combat and service support requirements for earth-moving construction, material handling equipment, power generating and environmental control equipment, fuel dispensing systems, special training devices, and equipment to support Marine Corps facilities.

Justification of Funds

Congressional action on the FY 1990 request provided \$81.9 million for the following programs: \$.1 million for environmental control equipment; \$1.1 million for the lightweight rough terrain crane; \$.5 million for assorted power equipment; \$4.0 million for command support equipment; \$.2 million for amphibious raid equipment; \$10.6 million for productivity investment projects; \$.3 million for physical security equipment; \$.45 million for garrison mobile engineer equipment; \$2.5 million for warehouse modernization equipment; \$2.4 million for material handling equipment; \$3.1 million for dry chemical fire extinguishers; \$.5.0 million for training devices; \$13.8 million for the shelter family, which consists of small rigid and knockdown shelters, joining corridors, and complexing kits that provide environment protection in support of operations worldwide; \$12.2 million for the container family, which will replace locally assembled, prefabricated wooden mount out boxes and flat and box pallets; \$3.8 million for essential minor programs costing less than \$2 million; \$.5.9 million to fund the installation of modernization equipment and \$.8.6 million for installation of prior year equipment; and \$3.4 million for industrial/depot maintenance requirements under the Asset Capitalization Program (ACP).

The Fiscal Year 1991 budget request totals \$112.5 million for the following programs: \$.3.1 million for environmental control equipment; \$.2.4 million for amphibious assault fuel systems; \$.3.8 million for topographic/survey equipment; \$11.1 million for assorted power equipment; \$.4.0 million for command support equipment; \$.2 million for amphibious raid equipment; \$.16.3 million for productivity investment projects; \$.3 million for physical security equipment; \$.5.5 million for garrison mobile engineer equipment; \$3.0 million for warehouse modernization equipment; \$.2.2 million for material handling equipment; \$10.9

million first destination transportation; \$3.6 million for lightweight decontamination systems; \$2.1 million for dry chemical fire extinguishers; \$3.7 million for training devices; \$15.3 million for the shelter family; \$15.5 million for the container family; \$4.2 million for essential modification kits and minor programs costing less than \$2 million; and \$5.2 million for industrial/depot maintenance requirements.

## Budget Activity 7: Spares and Repair Parts

(In Thousands of Dollars)

## Purpose and Scope of Work

These funds are required for procurement of depot repairable spares and repair parts essential for the continued support of end items (replenishment spares), and for initial allowance (initial spares) of peculiar depot spares and repair parts to support new equipment/systems being introduced into the Marine Corps.

## Justification of Funds

Congressional action on the FY 1990 budget request provided \$61.9 million and consists of \$26.1 million for initial spares and \$35.8 million for replenishment spares. The FY 1991 budget request totals \$70.4 million and consists of \$26.0 million for initial spares and \$44.4 million for replenishment spares. The following list is provided:

| <u>Initial Spares</u>               | (Dollars in Millions) | <u>FY 1990</u> | <u>FY 1991</u> |
|-------------------------------------|-----------------------|----------------|----------------|
| Weapons and Tracked Combat Vehicles |                       |                |                |
| Missiles                            | \$ 10.2               | \$ 1.7         |                |
| Communication/Electronic Equipment  | 0.0                   | 2.0            |                |
| Support Vehicles                    | 14.0                  | 19.3           |                |
| Engineering Equipment               | .2                    | 1.5            |                |
|                                     | <u>1.7</u>            | <u>1.5</u>     |                |
| Subtotal                            | \$ 26.1               | \$ 26.0        |                |
| <u>Replenishment Spares</u>         | <u>35.8</u>           | <u>44.4</u>    |                |
| Total                               | \$ 61.9               | \$ 70.4        |                |

**COMPARISON OF 1989 PROGRAM REQUIREMENTS AS REFLECTED IN THE REVISED FY 1990/1991 BUDGET  
WITH FY 1989 PROGRAM REQUIREMENTS AS SHOWN IN FY 1991 PRESIDENT'S BUDGET**

**SUMMARY OF REQUIREMENTS (In Thousands of Dollars)**

|                                      | Total Program Requirements Per Revised FY1990/1991 Budget | Total Program Requirements Per 1991 | Increase (+)<br>or<br>Decrease (-) |
|--------------------------------------|---|-------------------------------------|------------------------------------|
| Ammunition                           | 267,094   | 259,737                             | -7,357                             |
| Weapons and Combat Vehicles          | 220,296   | 220,283                             | -13                                |
| Guided Missiles and Equipment        | 335,749   | 338,133                             | +2,384                             |
| Communications and Electronics Equip | 266,130   | 268,539                             | +2,409                             |
| Support Vehicles                     | 22,670  | 27,763                              | +5,093                             |
| Engineer and Other Equip             | 123,715   | 120,839                             | -2,876                             |
| Spares and Repair Parts              | 56,186  | 56,546                              | +360                               |
| Total Fiscal Year Program            | <u>1,291,840</u>  | <u>1,291,840</u>                    | -                                  |

**EXPLANATION BY BUDGET ACTIVITY**

**Ammunition (\$-7.4 million)**

The net decrease reflects a below threshold reprogramming to the Logistics Vehicle System (\$5.1 million) and Telephone System (\$2.3 million) from the light anti-armor weapon (AT-4).

**Weapons & Combat Vehicles**

Minor repricing adjustment.

**Guided Missiles and Equipment (\$2.4 million)**

The net increase is related to the purchase of IFF ground support equipment for the HAWK.

Communications & Electronics Equipment (\$2.4 million)

The net increase is related to the accelerated procurement of additional tactical air operations modules components.

Support Vehicles (\$5.1 million)

The increase is related to the purchase of lifting fixtures for the logistics vehicle system.

Engineering and Other Equipment (\$-2.9 million)

The net decrease is primarily related to minor reprogramming from the container program due to a reduction in program requirements.

Spares and Repair Parts (\$.3 million)

The net increase reflects minor changes in requirements for initial spares for communications and electronics equipment.

COMPARISON OF 1990 PROGRAM REQUIREMENTS AS REFLECTED IN THE REVISED FY 1990/1991 BUDGET  
WITH FY 1990 PROGRAM REQUIREMENTS AS SHOWN IN FY 1991 PRESIDENT'S BUDGET

(SUMMARY OF REQUIREMENTS (In Thousands of Dollars)

|                                      | Total Program Requirements Per The Revised FY1990/1991 Budget | Total Program Requirements Per 1991 Budget | Increase (+)<br>or<br>Decrease (-) |
|--------------------------------------|---|--|------------------------------------|
| Ammunition                           | 222,401   | 249,201                                    | +26,800                            |
| Weapons and Combat Vehicles          | 543,224   | 398,995                                    | -144,224                           |
| Guided Missiles and Equipment        | 11,055  | 11,055                                     | -                                  |
| Communications and Electronics Equip | 271,001   | 249,564                                    | -21,437                            |
| Support Vehicles                     | 23,202  | 22,551                                     | -651                               |
| Engineer and Other Equipment         | 64,079  | 81,929                                     | +17,850                            |
| Spares and Repair Parts              | <u>61,838</u>   | <u>61,889</u>                              | +51                                |
| Total Fiscal Year Program            | 1,196,800   | 1,075,184                                  | -121,616                           |

EXPLANATION BY BUDGET ACTIVITY

Ammunition (\$+2.6 million)

The change to the ammunition account reflects a general Congressional increase of \$25 million applied to nine items and other minor reprogramming of \$1.8 million.

Weapons and Combat Vehicles (\$-144.2 million)

Congressional action on the FY 1990 budget request resulted in reductions of \$15 million to the MIA1 tank current year program, a \$9 million reduction to MIA1 for advance procurement due to contract savings, and \$1.9 million for the cancellation of the MK-19 machine gun due to production problems. Also, due to cancellation of the FY 1991 Marine Corps MIA1 program, related advance procurement funds of \$111.3 million is to be transferred to other appropriations to finance other FY 1991 DoD requirements and \$7 million from the MIA1 will be utilized to finance a planned DD-1415 reprogramming action for communications and electronics equipment.

Guided Missiles and Equipment  
Minor repricing adjustment.

Communications and Electronics Equipment (\$-21.4 million)

The net decrease is primarily due to a decision to terminate Marine Corps procurement of the position location and reporting system. The last procurement was in FY 1990.

Support Vehicles (\$-.6 million)

The decrease is related to the cancellation of trailers for \$2.1 million offset by a below threshold reprogramming of \$1.5 million into commercial vehicles.

Engineering and Other Equipment (\$+17.8 million)

The increase is due to Congressional adjustments for modernization of equipment \$5.9 million, installation of modernization equipment \$8.5 million and industrial/depot maintenance equipment \$3.4 million.

Spares and Repair Parts (\$+.1 million)

The net increase is for minor adjustments for replenishment spares.

**COMPARISON OF 1989 FINANCING AS REFLECTED IN REVISED FY 1990/1991 BUDGET  
WITH FY 1989 FINANCING AS SHOWN IN FY 1991 PRESIDENT'S BUDGET**

(In Thousands of Dollars)

|   | Financing<br>Revised FY90/91<br>Budget | Financing<br>Per FY 1991<br>Budget | Increase (+)<br>or<br>Decrease (-) |
|---|--|------------------------------------|------------------------------------|
| <b>Program Requirements (Total)</b>   | <b>1,296,340</b>                       | <b>1,302,765</b>                   | <b>+6,425</b>                      |
| Program Requirements (Service account)  | 1,291,840                              | 1,291,840                          | -                                  |
| Program Requirements (Reimbursable)   | 4,500                                  | 10,925                             | +6,425                             |
| <b>Less: Anticipated Reimbursements</b>   | <b>4,500</b>                           | <b>10,925</b>                      | <b>+6,425</b>                      |
| <b>Appropriation Reduction pursuant to P.L. 100-463 Transferred to other accounts (-)</b> | <b>1,297,265</b>                       | <b>1,297,265</b>                   | <b>-</b>                           |
|   | -425                                   | -425                               | -                                  |
|   | -5,000                                 | -5,000                             | -                                  |
| <b>Appropriation (Adjusted)</b>   | <b>1,291,840</b>                       | <b>1,291,840</b>                   | <b>-</b>                           |

Explanation of Changes in Financing

The FY 1989 program has changed since the presentation of the FY 1990 budget as noted below:

1. Program Requirement. There has been an increase of.....\$+6,425  
Service Account.....\$ -  
Reimbursable.....\$+6,425
2. The program requirements change reflects a revised estimate of anticipated reimbursable collections.

COMPARISON OF 1990 FINANCING AS REFLECTED IN THE REVISED 1990/1991 BUDGET  
WITH FY 1990 FINANCING AS SHOWN IN FY 1991 PRESIDENT'S BUDGET

(In Thousands of Dollars)

|   | Financing Per<br>Revised Fy90/91<br>Budget | Financing Per<br>FY 1991<br>Budget | Increase (+)<br>or<br>Decrease (-) |
|---|--|------------------------------------|------------------------------------|
| Program Requirement (Total)                           | 1,201,800                                  | 1,080,184                          | -121,616                           |
| Program Requirement (Service Account)                 | 1,196,800                                  | 1,075,184                          | -121,616                           |
| Program Requirement (Reimbursable)                    | 5,000                                      | 5,000                              | -                                  |
| <br><u>Less:</u><br><u>Anticipated reimbursements</u> | <br>5,000                                  | <br>5,000                          | <br>-                              |
| <br><u>Appropriation</u>                              | <br><u>1,196,800</u>                       | <br><u>1,213,792</u>               | <br><u>+16,992</u>                 |
| Reduction pursuant to P.L. 101-165                    | -  | -458                               | -458                               |
| Transferred to other accounts                         | -  | -138,150                           | -138,150                           |
| <br><u>Appropriation adjusted</u>                     | <br><u>1,196,800</u>                       | <br><u>1,075,184</u>               | <br><u>-121,616</u>                |

Explanation of Changes in Financing

The FY 1990 program has changed since the presentation of the FY 1990 budget as noted below:

1. Program requirements. There has been an increase of \$16,992 which reflects the approved appropriation rather than the amount requested for the Service Account offset by planned transfers of \$-138,150 from M1-A1 tank advance procurement (\$-111,300) and from the Position Location Reporting System (PLRS) (\$-26,850), to other appropriations, and decreases associated with contractor travel (\$-303) and consultant services (\$-155).